

APPENDIX A

1. A method for real time network communication, comprising:
forming a real time communications protocol connection over a network
communications connection; embedding a markup language instruction in a message; and
sending the message on the real time communications protocol connection.
2. The method of Claim 1 wherein the embedding comprises embedding a
markup language instruction in the message, the markup language instruction being a
hyperlink instruction.
3. The method of Claim 1 wherein:
the forming comprises forming a real time continuously open bi-directional
communications protocol connection; and
the sending comprises sending the message on the real time continuously open bi-
directional communications protocol connection.
4. The method of Claim 1 wherein:
the forming comprises forming a real time chat communications protocol connection;
and
the sending comprises sending the message on the real time chat communications
protocol connection.
5. A method for real time network communication, comprising:
forming a real time communications protocol connection over a network
communications connection;
receiving a first message on the real time communications protocol connection, the
first message including a hyperlink instruction;

parsing the first message to identify the hyperlink instruction included therein; and
displaying the first message in accordance with the hyperlink instruction included therein.

6. The method of Claim 5 and comprising:
embedding a hyperlink instruction in a second message; and
sending the second message on the real time communications protocol connection.

7. The method of Claim 5 wherein the receiving comprises receiving the first message on the real time communication protocol connection, the hyperlink instruction being associated with a document address,
and comprising:
passing the document address to a document acquisition apparatus.

8. The method of Claim 5 wherein:
the forming comprises forming a real time chat communications protocol connection;
and
the receiving comprises receiving the first message on the real time chat communications protocol connection.

9. The method of Claim 5 wherein:
the forming comprises forming a real time continuously open bi-directional communications protocol connection; and
the receiving comprises receiving the first message on the real time continuously open bi-directional communications protocol connection.

10. A method for real-time network communication, wherein the network includes TCP/IP connections formed between a plurality of clients and a host, and respective real time

communications protocol connections formed over the TCP/IP connections, the method comprising:

- receiving a message including a hyperlink language instruction from the host through at least one of the real time communications protocol connections;
- parsing the message in the client sent the message by the host; and
- displaying the message in the client sent the message by the host in accordance with the hyperlink language instruction included therein.

11. The method of Claim 10 wherein the receiving comprises receiving the message including the hyperlink language instruction, the hyperlink language instruction being associated with a document address, and comprising:

- passing the document address to a document acquisition apparatus.

12. The method of Claim 10 wherein the real time communications protocol connections are real time chat communications protocol connections, and wherein the receiving comprises receiving the message from the host through at least one of the real time chat communications protocol connections.

13. The method of Claim 10 wherein the real time communications protocol connections are real time continuously open bi-directional communications protocol connections, and wherein the receiving comprises receiving the message from the host through at least one of the real time continuously open bi-directional communications protocol connections.

14. A method for real time network communication, comprising:
forming a real time communications protocol connection over a network communications connection;
embedding a markup language instruction in a message; and

sending the message on the real time communications protocol connection.

15. The method of Claim 14 wherein the embedding comprises embedding the markup language instruction, the markup language instruction being an html instruction.

16. The method of Claim 15 wherein the embedding comprises embedding the html instruction, the html instruction being a hyperlink instruction.

17. The method of Claim 16 wherein the embedding comprises embedding the hyperlink instruction, the hyperlink instruction being associated with a URL, and comprising:

passing the URL to a Web browser.

18. The method of Claim 15 wherein the embedding comprises embedding the html instruction, the html instruction being a bold tag.

19. The method of Claim 15 wherein the embedding comprises embedding the html instruction, the html instruction being an italics tag.

20. The method of Claim 14 wherein:
the forming comprises forming a real time chat communications protocol connection;
and

the sending comprises sending the message on the real time chat communications protocol connection.

21. The method of Claim 14 wherein:
the forming comprises forming a real time continuously open bi-directional communications protocol connection; and

the sending comprises sending the message on the real time continuously open bi-directional communications protocol connection.

22. A method for real time network communication, comprising:
forming a real time communications protocol connection over a network communications connection;
receiving a first message on the real time communications protocol connection, the first message including a markup language instruction;
parsing the first message to identify the markup language instruction included therein;
and
displaying the first message in accordance with the markup language instruction included therein.

23. The method of Claim 22 wherein the receiving comprises receiving the first message, the markup language instruction being a hyperlink instruction.

24. The method of Claim 23 wherein the receiving comprises receiving the first message, the hyperlink instruction being associated with a URL; and comprising:
passing the URL to a Web browser.

25. The method of Claim 22 wherein the receiving comprises receiving the first message, the markup language instruction being a bold tag.

26. The method of Claim 22 wherein the receiving comprises receiving the first message, the markup language instruction being an italics tag.

27. The method of Claim 22 wherein:

the forming comprises forming a real time chat communications protocol connection;
and
the receiving comprises receiving the first message on the real time chat communications protocol connection.

28. The method of Claim 22 wherein:
the forming comprises forming a real time continuously open bi-directional communications protocol connection; and
the receiving comprises receiving the first message on the real time continuously open bi-directional communications protocol connection.

29. A communication client, comprising a computer for:
forming a real time communications protocol connection over a network communications connection;
embedding a markup language instruction in a message; and sending the message on the real time communications protocol connection.

30. The communication client of Claim 29 wherein the markup language instruction is a hyperlink instruction.

31. The communication client of Claim 29 wherein the real time communications protocol connection is a real time chat communications protocol connection.

32. The communication client of Claim 29 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.

33. A communication client, comprising: a computer for:

forming a real time communications protocol connection over a communications connection;

receiving a message on the real time communications protocol connection;

parsing the message to identify a markup language instruction included therein; and

displaying the message in accordance with the markup language instruction included therein.

34. The communication client of Claim 33 wherein the markup language instruction is a hyperlink instruction.

35. The communication client of Claim 33, wherein the message is a first message, wherein the markup language instruction is a first markup language instruction, and wherein the computer is for:

sending a second message on the real time communications protocol connection; and
embedding a second markup language instruction in the second message.

36. The communication client of Claim 33 wherein the markup language instruction is associated with a document address, and wherein the computer is for passing the document address to a document acquisition apparatus.

37. The communication client of Claim 33 wherein the real time communications protocol connection is a real time chat communications protocol connection.

38. The communication client of Claim 33 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.

39. A communication server, comprising: a computer for:

forming a real time communications protocol connection over a network communications connection; receiving a message on the real time communications protocol connection, wherein the message includes a markup language instruction.

40. The communication server of Claim 39 wherein the markup language instruction is a hyperlink instruction.

41. The communication server of Claim 39 wherein the computer is for: receiving the message from a first communication client; and sending the message on the real time communications protocol connection to a second communication client.

42. The communication server of Claim 39, wherein the message is a first message, wherein the markup language instruction is a first markup language instruction, and wherein the computer is for receiving a second message on the real time communications protocol connection, wherein the second message includes a second markup language instruction.

43. The communication server of Claim 39 wherein the markup language instruction is associated with a document address, and wherein the computer is for passing the document address to a document acquisition apparatus.

44. The communication server of Claim 39 wherein the real time communications protocol connection is a real time chat communications protocol connection.

45. The communication server of Claim 39 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.

46. A computer program product, comprising:
a computer application processable by a computer for causing the computer to:
form a real time communications protocol connection over a network communications
connection;

embed a markup language instruction in a message; and
send the message on the real time communications protocol connection; and
apparatus from which the computer application is accessible by the computer.

47. The computer program product of Claim 46 wherein the markup language
instruction is a hyperlink instruction.

48. The computer program product of Claim 46 wherein the real time
communications protocol connection is a real time chat communications protocol connection

49. The computer program product of Claim 46 wherein the real time
communications protocol connection is a real time continuously open bi-directional
communications protocol connection.

50. A computer program product, comprising:
a computer application processable by a computer for causing the computer to:
form a real time communications protocol connection over a network communications
connection;

receive a first message on the real time communications protocol connection, the first
message including a markup language instruction;

parse the first message to identify the markup language instruction included therein;
and
display the first message in accordance with the markup language instruction included therein; and
apparatus from which the computer application is accessible by the computer.

51. The computer program product of Claim 50 wherein the markup language instruction is a hyperlink instruction.

52. The computer program product of Claim 50 wherein the computer application is processable by the computer for causing the computer to:
embed a markup language instruction in a second message; and
send the second message on the real time communications protocol connection.

53. The computer program product of Claim 50 wherein the markup language instruction is associated with a document address, and wherein the computer application is processable by the computer for causing the computer to pass the document address to a document acquisition apparatus.

54. The computer program product of Claim 50 wherein the real time communications protocol connection is a real time chat communications protocol connection.

55. The computer program product of Claim 50 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.

56. A computer program product, comprising:
a computer application processable by a computer for causing the computer to:

form a real time communications protocol connection over a network communications connection;

embed a markup language instruction in a message; and

send the message on the real time communications protocol connection; and

apparatus from which the computer application is accessible by the computer.

57. The computer program product of Claim 56 wherein the markup language instruction is an html instruction.

58. The computer program product of Claim 57 wherein the html instruction is a hyperlink instruction.

59. The computer program product of Claim 58 wherein the hyperlink instruction is associated with a URL, and wherein the computer application is processable by the computer for causing the computer to pass the URL to a Web browser.

60. The computer program product of Claim 57 wherein the html instruction is a bold tag.

61. The computer program product of Claim 57 wherein the html instruction is an italics tag.

62. The computer program product of Claim 56 wherein the real time communications protocol connection is a real time chat communications protocol connection.

63. The computer program product of Claim 56 wherein the real time communications protocol connection is a real time continuously open bi-directional

communications protocol connection.

64. A computer program product, comprising:
a computer application processable by a computer for causing the computer to:
form a real time communications protocol connection over a network communications connection;

receive a first message on the real time communications protocol connection, the first message including a markup language instruction;

parse the first message to identify the markup language instruction included therein;
and

display the first message in accordance with the markup language instruction included therein; and apparatus from which the computer application is accessible by the computer.

65. The computer program product of Claim 64 wherein the markup language instruction is a hyperlink instruction.

66. The computer program product of Claim 65 wherein the hyperlink instruction is associated with a URL, and wherein the computer application is processable by the computer for causing the computer to pass the URL to a Web browser.

67. The computer program product of Claim 64 wherein the markup language instruction is a bold tag.

68. The computer program product of Claim 64 wherein the markup language instruction is an italics tag.

69. The computer program product of Claim 64 wherein the real time communications protocol connection is a real time chat communications protocol connection.

70. The computer program product of Claim 64 wherein the real time communications protocol connection is a real time continuously open bi-directional communications protocol connection.